



SPHL3308

Speech Production

Session 1, Weekday attendance, North Ryde 2020

Department of Linguistics

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General Information

Unit convenor and teaching staff

Convenor

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Credit points

10

Prerequisites

50cp at 2000 level or above including LING2217 or LING217

Corequisites

Co-badged status

Unit description

Speech is one of the most complex, yet most natural human behaviours, involving fine coordination of rapidly moving articulators. In this unit, we explore the mechanisms used by speakers of all languages to produce different consonants, vowels, syllables, and larger phonological structures, in infinitely expressive ways. We examine the anatomy and physiology of respiration, phonation, and articulation; the neuroanatomy and neurophysiology of speech and language; development and evolution of speech; and methods used for studying speech production. Practical exercises include analysis of speech gestures in articulographic data.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

Learning Outcomes

On successful completion of this unit, you will be able to:

ULO1: Demonstrate understanding of respiratory anatomy and physiology, and its use in speech

ULO2: Demonstrate advanced knowledge of laryngeal anatomy and phonatory physiology

ULO3: Identify the various structures associated with articulatory anatomy and physiology and demonstrate an understanding of how these are employed in speech production

ULO4: Demonstrate an understanding of neuroanatomy and neurophysiology of speech and language

ULO5: Analyse and report on speech data collected via speech physiology instrumentation to engage with theoretical issues in phonetics

ULO6: Describe important aspects of embryology, evolution and development in relation to speech processing

ULO7: Engage in a research rich environment

Assessment Tasks

Coronavirus (COVID-19) Update

Assessment details are no longer provided here as a result of changes due to the Coronavirus (COVID-19) pandemic.

Students should consult [iLearn](#) for revised unit information.

[Find out more about the Coronavirus \(COVID-19\) and potential impacts on staff and students](#)

General Assessment Information

It is a requirement of this unit that students make a serious attempt to complete all assessment tasks. Failure to complete all assessment tasks may result in failure in the unit even if the marks for the completed tasks total more than 50%. Each task is required to satisfy the learning objectives of the unit. If the learning objectives have not been met then a pass grade cannot be awarded.

Lateness

- Late submissions without an extension will receive a penalty of 3% of the total mark available for the assessment task per day including weekend days (i.e. this is 3% of the total marks possible for the task – NOT 3% of the marks the student received. For example, if the assessment task is worth 100 marks and the student is two days late their mark for the task is reduced by 6 marks).
- Late submission of an assessment task without an extension will not be accepted at all:
 - after the date on which marked assessment tasks have been released to the rest of the class
 - more than one week after the end of the teaching session, at the unit convenor's discretion
- Extensions will only be given in special circumstances, and can be requested by completing the Special Consideration request at: ask.mq.edu.au, and providing the requisite supporting documentation.
- Extensions that will result in submissions after the assessment task has been returned to the class will require a separate assessment task to be completed at the unit convenor's discretion.
- For more information on Special Consideration, see: <https://students.mq.edu.au/study/my-study-program/special-consideration>
- If a student fails the unit due to non-submission of an assessment task or non-attendance at an exam, an FA grade will be applied in accordance with the University's Assessment Policy. Unit convenors have the discretion to determine whether or not students should fail a unit on the basis of lateness penalties alone if other learning outcomes of the unit have been met.

Delivery and Resources

Coronavirus (COVID-19) Update

Any references to on-campus delivery below may no longer be relevant due to COVID-19.

Please check here for updated delivery information: https://ask.mq.edu.au/account/public/display/unit_status

This unit is designed to foster a detailed understanding of the mechanisms of speech production, including speech anatomy and speech physiology, and the methods used to study speech production processes. These concepts will be studied through an extensive set of readings and multimedia resources, and will be consolidated in a series of companion lectures, workshops and assessment tasks.

Topics to be covered include: respiratory physiology and anatomy; laryngeal anatomy; phonation; articulatory anatomy and physiology; articulatory investigative techniques; neuroanatomy and neurophysiology; and speech production from a developmental perspective. In workshops and assessment tasks, you will be presented with speech data for analysis, to consolidate your understanding of breathing, phonation, articulation, speech kinematics, and the ways that these mechanisms combine to produce different types of speech.

The unit provides students with essential theoretical and practical skills that are fundamental to further study of speech and which assist clinicians in keeping abreast of current research findings in speech and hearing.

Preparation for and attendance at all classes - both workshops and lectures - is expected. Classes are designed to consolidate concepts introduced in readings, through explanation and presentation of examples, engagement with different types of data, questions, discussion, and seminar-type exercises. Learning the concepts necessary to gain a solid understanding of speech production and speech analysis techniques requires dedication, practice, and engagement. We are here to support your learning and we can only do this successfully through structured contact to guide you through the materials and techniques. It is your responsibility to actively engage in the learning process with your teachers and peers.

Unit Schedule

Coronavirus (COVID-19) Update

The unit schedule/topics and any references to on-campus delivery below may no longer be relevant due to COVID-19. Please consult [iLearn](#) for latest details, and check here for updated delivery information: https://ask.mq.edu.au/account/pub/display/unit_status

Details of all topics, readings, class schedules, and assessment tasks are provided on iLearn, and updated each week. It is your responsibility to consult iLearn regularly, and make sure you are prepared for each class by familiarizing yourself with all learning resources and requirements.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central>). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)

- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

Students seeking more policy resources can visit the [Student Policy Gateway](https://students.mq.edu.au/support/study/student-policy-gateway) (<https://students.mq.edu.au/support/study/student-policy-gateway>). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central>).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/study/getting-started/student-conduct>

Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide

appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.